



PTO/SB/08 Equivalent

INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Multiple sheets used when necessary)

SHEET 1 OF 3

Application No.	10/788,905
Filing Date	February 26, 2004
First Named Inventor	Gerald A. Hutchinson
Art Unit	1722
Examiner	Timothy W. Heitbrink
Attorney Docket No.	APTPEP2.40CP2DC

## U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
TWK	1	2,708,288	05-17-1955	Fuller et al.	
	2	3,418,398	12-24-1968	Seefluthy	
	3	3,430,680	03-04-1969	Leghorn	
	4	4,108,956	03-22-1978	Lee	
	5	4,150,079	04-17-1979	Chang	
	6	4,208,177	06-17-1980	Allen	
	7	4,357,288	11-02-1982	Oas et al.	
	8	4,451,224	05-29-1984	Harding	
	9	4,623,497	11-18-1986	Waters	
	10	4,680,001	07-14-1987	Waters	
	11	4,690,789	09-01-1987	Ritchie et al.	
	12	4,698,013	10-06-1987	Butcher	
	13	4,717,521	01-05-1988	Border et al.	
	14	4,871,507	10-03-1989	Ajmera et al.	
	15	4,955,804	09-11-1990	Martell et al.	
	16	5,071,340	12-10-1991	LaBianca	
	17	5,219,593	06-15-1993	Schmidte et al.	
	18	5,352,401	10-04-1994	Dalgewicz, III et al.	
	19	5,376,317	12-27-1994	Maus et al.	
	20	5,460,761	10-24-1995	Larsson	
	21	5,516,470	05-14-1996	Larsson	
	22	5,653,907	08-05-1997	Kendall et al.	
	23	5,879,727	03-09-1999	Puri	
	24	5,902,541	05-11-1999	Imai et al.	
	25	5,971,742	10-26-1999	McCollum et al.	
	26	6,196,830	03-06-2001	Foltuz et al.	
	27	6,257,867	07-10-2001	McCollum et al.	
	28	6,276,656	08-12-2001	Baresich	
9WK	29	6,312,628	11-06-2001	Wieder et al.	

Examiner Signature <i>Tim Heitbrink</i>	Date Considered <i>5-14-07</i>
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SHEET 2 OF 3	Attorney Docket No.	APTPEP2.40CP2DC

U.S. PATENT DOCUMENTS					
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TWH	30	6,315,549	11-13-2001	Jenko et al.	
	31	6,428,305	08-06-2002	Jenko	
	32	6,471,503	10-29-2002	Priest et al.	
	33	6,533,571	03-18-2003	Fikani	
	34	6,808,820	10-26-2004	Lee et al.	
	35	6,939,591	09-06-2005	Hutchinson et al.	
	36	2002/0014722	02-07-2002	Baresich	
	37	2004/0151937	08-05-2004	Hutchinson et al.	
TWH	38	2005/0053739	03-10-2005	Lee et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
TWH	39	EP 0 304 059	02-22-1989	Fuji Photo Film Co., Ltd.		
	40	EP 0 491 650	06-24-1992	United Technologies Corp.		
	41	EP 0 555 976	08-18-1993	Fuchu-shi, Hiroshima-ken (JP)		
	42	WO 97/15420	05-01-1997	Nilsson		
	43	WO 98/25746	06-18-1998	Larsson		
TWH	44	JP 2003-103324	04-08-2003	Suwa Netsukogyo KK		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
TWH	45	PCT International Search Report: mailed January 28, 2002 for International Application No. PCT/US 01/28128, Filed on September 5, 2001	
	46	"Konzepte Für Die Werkzeugtemperierung Eine Uebersicht Mit Erfahrungen Aus Der Praxis" Dunststoffe, Carl Hanser Verlag. Munchen, DE, Vol. 92, No. 11, November 2002, pages 28-36, XP001121639 ISSN: 0023-5563 page 30, column 3, last paragraph page 31, column 3 paragraph 1	
TWH	47	PCT International Search Report: mailed March 30, 2004 for International Application No. PCT/US 03/35949, Filed November 10, 2003	

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<i>TWH</i>	48	"Tool Steel Recommendations for Injection Molds Designed for Processing Geon® Vinyl Compounds," Technical Service Report, No. 12; April 1996	
<i>TWH</i>	49	Mold-Making Handbook, 2nd Edition, pages 223 and 343, Gunter Mennig, 1998	

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	Filing Date	February 26, 2004
	First Named Inventor	Gerald A. Hutchinson, et al
	Art Unit	1772
	Examiner	Timothy W. Heitbrink
	Attorney Docket No.	APTPEP1.40CP2DC

**U.S. PATENT DOCUMENTS**

Examiner Initials	Cite No.	Document Number Number - Kind Code (if known) Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
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Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
TWH	1	JP 05-200793 A	08-10-1993	Susumu, et al. (includes English abstract)		
TWH	2	JP 10-128839 A	05-19-1998	Isatake (includes English abstract)		
TWH	3	WO 97/32708 A	09-12-1997	Schmidt et al. (includes English abstract)		

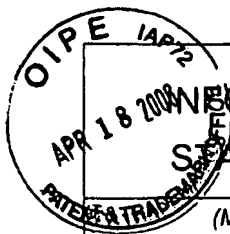
**NON PATENT LITERATURE DOCUMENTS**

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	Art Unit	1772
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SHEET 1 OF 12		Attorney Docket No. APTPEP1.40CP2DC

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TWH	1	3,224,043	12-21-1965	Lameris et al	
	2	3,305,528	02-21-1967	Wynstra et al.	
	3	3,317,471	05-02-1967	Johnson et al.	
	4	3,395,118	07-30-1968	Reining et al.	
	5	3,482,284	12-09-1969	Rees	
	6	3,632,267	01-04-1972	Kader	
	7	3,719,735	03-06-1973	Valyi	
	8	3,740,181	06-19-1973	Uhlig	
	9	3,813,198	05-28-1974	Valyi	
	10	3,819,314	06-25-1974	Marcus	
	11	3,857,660	12-31-1974	Flynn et al.	
	12	3,869,056	03-04-1975	Valyi	
	13	3,878,282	04-15-1975	Bonis	
	14	3,882,213	05-06-1975	Uhlig	
	15	3,944,643	03-16-1976	Sato et al.	
	16	3,947,176	03-30-1976	Rainville	
	17	3,963,399	06-15-1976	Zavasnik	
	18	3,966,378	06-29-1976	Valyi	
	19	4,040,233	09-09-1977	Valyi	
	20	4,061,705	12-06-1977	Marcus	
	21	4,065,246	12-27-1977	Marcus	
	22	4,079,851	03-21-1978	Valyi	
	23	4,092,391	05-30-1978	Valyi	
	24	4,116,606	09-26-1978	Valyi	
	25	4,145,392	03-20-1979	Valyi	
	26	4,149,645	04-17-1979	Valyi	
	27	4,151,247	04-24-1979	Hafele	
	28	4,151,248	04-24-1979	Valyi	
TWH	29	4,213,751	07-22-1980	Fernandez	

Examiner Signature

*Tim Heitbrink*

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TWK	30	4,323,341	04-06-1982	Valyi	
	31	4,357,296	11-02-1982	Hafele	
	32	4,375,947	03-08-1983	Marcus	
	33	4,376,090	03-08-1983	Marcus	
	34	4,378,963	04-05-1983	Schouenberg	
	35	4,403,090	09-06-1983	Smith	
	36	4,438,254	03-20-1984	Doorakian et al.	
	37	4,480,082	10-30-1984	Mc Lean et al.	
	38	4,515,836	05-07-1985	Cobbs et al.	
	39	4,528,219	07-09-1985	Yamada et al.	
	40	4,538,542	09-03-1985	Kennon et al.	
	41	4,540,543	09-10-1985	Thomas et al.	
	42	4,560,741	12-24-1985	Davis et al.	
	43	4,564,541	01-14-1986	Taira et al.	
	44	4,569,869	02-11-1986	Kushida et al.	
	45	4,573,596	03-04-1986	Slat	
	46	4,578,295	03-14-1986	Jabarin	
	47	4,587,073	05-06-1986	Jakobsen	
	48	4,590,021	05-20-1986	Ota et al.	
	49	4,604,044	08-05-1986	Hafele	
	50	4,604,258	08-05-1986	Valyi	
	51	4,615,925	10-07-1986	Nilsson	
	52	4,646,925	03-03-1987	Nohara	
	53	4,647,648	03-03-1987	Silvis et al.	
	54	4,699,809	10-13-1987	Maruhashi et al.	
	55	4,715,504	12-29-1987	Chang et al.	
	56	4,741,936	05-03-1988	Nohara et al.	
	57	4,755,404	07-05-1988	Collette	
	58	4,818,575	04-04-1989	Hirata et al.	

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TW/H	59	4,830,811	05-16-1989	Aoki	
	60	4,844,987	07-04-1989	Hirose et al.	
	61	4,847,129	07-11-1989	Collette et al.	
	62	4,867,664	09-19-1989	Fukuhara	
	63	4,871,410	10-03-1989	Bonnebat et al.	
	64	4,937,130	06-26-1990	Clagett et al.	
	65	4,940,616	07-10-1990	Yatsu et al.	
	66	4,956,143	09-11-1990	McFarlane	
	67	4,980,211	12-25-1990	Kushida	
	68	5,006,381	04-09-1991	Nugent, Jr. et al.	
	69	5,077,111	12-31-1991	Collette	
	70	5,085,821	02-04-1992	Nohara	
	71	5,089,588	02-18-1992	White et al.	
	72	5,094,793	03-10-1992	Schrenk et al.	
	73	5,115,075	05-19-1992	Brennan et al.	
	74	5,134,218	07-28-1992	Brennan et al.	
	75	5,143,998	09-01-1992	Brennan et al.	
	76	5,149,768	09-22-1992	White et al.	
	77	5,188,787	02-23-1993	King et al.	
	78	5,202,074	04-13-1993	Schrenk et al.	
	79	5,246,751	09-21-1993	White et al.	
	80	5,275,853	01-04-1994	Silvis et al.	
	81	RE34,537	02-08-1994	Dyrup	
	82	5,300,326	04-05-1994	Zezinka et al.	
	83	5,300,541	04-05-1994	Nugent, Jr. et al.	
	84	5,302,417	04-12-1994	Yamauchi et al.	
	85	5,354,532	10-11-1994	Nakai et al.	
	86	5,411,698	05-02-1995	Mero et al.	
TW/H	87	5,443,378	08-22-1995	Jaroschek et al.	

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TWA	88	5,443,766	08-22-1995	Slat et al.	
	89	5,464,106	11-07-1995	Slat et al.	
	90	5,472,753	12-05-1995	Farha	
	91	5,489,455	02-06-1996	Nugent, Jr. et al.	
	92	5,491,204	02-13-1996	Nugent, Jr. et al.	
	93	5,508,076	04-16-1996	Bright	
	94	5,509,965	04-23-1996	Harry et al.	
	95	5,540,878	07-30-1996	Schrenk et al.	
	96	5,551,858	09-03-1996	Yoshizawa et al.	
	97	5,571,470	11-05-1996	Plester	
	98	5,582,788	12-10-1996	Collette et al.	
	99	5,599,494	02-04-1997	Marcus	
	100	5,628,950	05-13-1997	Schrenk et al.	
	101	5,628,957	05-13-1997	Collette et al.	
	102	5,639,848	06-17-97	Nugent, Jr. et al.	
	103	5,645,183	07-08-1997	Slat et al.	
TWA	104	5,651,933	07-29-1997	Slat et al.	
	105	5,652,034	07-29-1997	Seiner	
	106	5,676,267	10-14-1997	Slat et al.	
	107	5,688,570	11-18-1997	Ruttinger	
	108	5,688,572	11-18-1997	Slat et al.	
	109	5,728,439	03-17-1998	Carlblom	
	110	5,731,094	03-24-1998	Brennan et al.	
	111	5,759,653	06-02-1998	Collette et al.	
	112	5,759,654	06-02-1998	Cahill	
	113	5,759,656	06-02-1998	Collette et al.	
	114	5,772,056	06-30-1998	Slat	
	115	5,780,128	07-14-1998	Farha	
	116	5,804,305	09-08-1998	Slat et al.	

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TWH	117	5,834,078	11-10-1998	Cavitt et al.	
	118	5,837,339	11-17-1998	Wood et al.	
	119	5,851,471	12-22-1998	Schloss et al.	
	120	5,894,023	04-13-1999	Schramm et al.	
	121	5,906,285	05-25-1999	Slat	
	122	5,906,787	05-25-1999	Plester	
	123	5,914,138	06-22-1999	Swenson	
	124	5,927,525	07-27-1999	Darr et al.	
	125	5,968,620	10-19-1999	Harvey et al.	
	126	5,972,445	10-26-1999	Kimura et al.	
	127	5,989,661	11-23-1999	Krishnakumar et al.	
	128	6,051,294	04-18-2000	White et al.	
	129	6,068,900	05-30-2000	Kohn et al.	
	130	6,090,460	07-18-2000	Collette et al.	
TWH	131	6,123,211	09-26-2000	Rashid et al.	
	132	6,136,354	10-24-2000	Wood et al.	
	133	6,168,740	01-02-2001	Koch et al.	
	134	6,180,715	01-30-2001	Schmidt	
	135	6,194,043	02-27-2001	Fehn	
	136	6,312,641	11-06-2001	Hutchinson	
	137	6,319,574	11-20-2001	Slat	
	138	6,352,426	03-05-2002	Hutchinson et al.	
	139	6,365,247	04-02-2002	Cahill et al.	
	140	6,372,318	04-16-2002	Collette et al.	
	141	6,391,408	05-21-2002	Hutchinson	
	142	6,413,075	07-02-2002	Koch et al.	
	143	6,428,737	08-06-2002	Collette et al.	
	144	6,461,697	10-08-2002	Slat et al.	
	145	6,485,804	11-26-2002	Makamachi et al.	

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TWK	146	6,524,672	02-25-2003	Slat et al.	
	147	6,676,883	01-13-2004	Hutchinson et al.	
	148	2001/0030163	10-18-2001	Rashid et al.	
	149	2002/0001686	01-03-2002	Kashiba et al.	
	150	2002/0028870	03-07-2002	Lan et al.	
	151	2002/0048682	04-25-2002	Subramanian et al.	
	152	2002/0061371	05-23-2002	Schmidt et al.	
	153	2002/0090473	07-11-2002	Lee et al.	
	154	2002/0155236	10-24-2002	Cahill et al.	
	155	2003/0001315	01-02-2003	Hutchinson et al.	
	156	2003/0012904	01-16-2003	Hutchinson et al.	
	157	2003/0031814	02-13-2003	Hutchinson et al.	
	158	2003/0039779	02-27-2003	Share et al.	
	159	2003/0219555	11-27-2003	Hutchinson et al.	
	160	2004/0013833	01-22-2004	Lee et al.	
TWK	161	2004/0071885	04-15-2004	Hutchinson et al.	
	162	2004/0247735	12-09-2004	Hutchinson et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
TWK	163	CA 1 174 020	09-11-1984	Gellert		
	164	DE 2108774	09-09-71	Hench A (Includes English Abstract)		
	165	DE 26 49 640	05-03-1978	Fischer (Includes English Abstract)		
	166	DE 30 44 930	10-01-1981	Kushida et al. (Includes English Abstract)		
	167	DE 3518 441	03-12-1987	Reymann et al. (Includes English Abstract)		
	168	DE 3518 875	11-09-1989	Klein et al. (Includes English Abstract)		
	169	DE 3121 420	03-22-1990	Nilsson et al. (		

Examiner Signature <i>Tim Heitbrink</i>	Date Considered <i>5-9-07</i>
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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/788,905
	Filing Date	February 26, 2004
	First Named Inventor	Gerald A. Hutchinson
	Art Unit	1772
	Examiner	Timothy W. Heitbrink
SHEET 7 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

FOREIGN PATENT DOCUMENTS						
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TWA	170	DE 3121 421	08-09-1990	Nilsson et al. (Includes English Abstract)		X
	171	DE 3407 060	04-10-1986	Rosenkranz et al. (Includes English Abstract)		X
	172	DE 196 40662	03-05-1998	Blank et al. (Includes English Abstract)		X
	173	298620	08-09-1925	Krowatschek		
	174	EP 0 019 438	11-26-1980	Cancio et al.		
	175	EP 0 073 151	03-02-1983	Hayashi et al.		
	176	EP 0 092 979	08-08-1990	Kushida et al.		
	177	EP 0 095 909	04-12-1989	Maruhashi et al.		
	178	EP 0 096 581	09-03-1986	Misasa et al.		
	179	EP 0 099 727	02-01-1984	Cobbs et al.		
	180	EP 0 100 375	02-15-1984	Blank et al.		
	181	EP 0 105 826	03-11-1987	Smith et al.		
	182	EP 0 118 226	10-10-1990	Taira et al.		
	183	EP 0 125 107	11-14-1984	Super et al.		
	184	EP 0 126 575	11-28-1984	MacLaughlin et al.		
	185	EP 0 153 120	12-18-1991	Krishankumar et al.		
	186	EP 0 153 894	01-31-1990	Aoki et al.		
	187	EP 0 156 085	07-29-1987	Kuhfuss et al.		
	188	EP 0 160 984	02-01-1989	Akazawa et al.		
	189	EP 0 171 161	06-07-1989	Jabarin		
TWA	190	EP 0 174 265	03-12-1986	Smith et al.		
	191	EP 0 176 229	10-25-1989	Nohara		
	192	EP 0 180 191	07-19-1989	Shimizu et al.		
	193	EP 0 191 701	08-20-1986	Nakamura et al.		
	194	EP 0 199 633	07-14-1993	Nakamura et al.		
	195	EP 0 203 630	12-03-1986	Armer		
	196	EP 0 212 339	08-16-1995	Kushida et al.		
	197	EP 0 215 630	09-04-1991	Brown et al.		

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Multiple sheets used when necessary)</i>	Application No.	10/788,905
	Filing Date	February 26, 2004
	First Named Inventor	Gerald A. Hutchinson
	Art Unit	1772
	Examiner	Timothy W. Heitbrink
SHEET 8 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

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TWA	198	EP 0 218 245	04-15-1987	Moritani et al.		
	199	EP 0 225 049	02-03-1988	Sakamoto et al.		
	200	EP 0 266 900	05-11-1988	Viebranz et al.		
	201	EP 0 278 403	01-22-1992	Senzo et al.		
	202	EP 0 280 736	09-07-1988	Sakashita et al.		
	203	EP 0 287 839	10-26-1988	Deak		
	204	EP 0 302 117	02-08-1989	Nakamura		
	205	EP 0 306 675	12-29-1993	Moritani et al.		
	206	EP 0 325 030	07-26-1989	Zenitani et al.		
	207	EP 0 341 044	09-25-1996	Kobayashi et al.		
	208	EP 0 350 745	01-17-1990	Vente et al.		
	209	EP 0 351 118	01-17-1990	Freed		
	210	EP 0 368 278	05-16-1990	Hashimoto et al.		
	211	EP 0 376 469	03-01-1995	Krishnkumar et al.		
	212	EP 0 387 614	06-01-1994	Reil		
	213	EP 0 395 237	10-31-1990	Miles		
	214	EP 0 462 455	12-27-1991	Lofgren		
	215	EP 0 518 703	12-16-1992	Tajima et al.		
	216	EP 0 524 572	10-02-1996	Fujii et al.		
	217	EP 0 544 545	06-02-1993	Miyazawa et al.		
	218	EP 0 571 116	11-24-1993	Grippi et al.		
	219	EP 0 581 970	02-09-1994	Kimura et al.		
	220	EP 0 583 953	02-23-1994	Horino et al.		
	221	EP 0 653 982	09-10-1997	Collette et al.		
	222	EP 0 671 251	09-13-1995	Bodmer et al.		
	223	EP 0 678 554	10-25-1995	Hashimoto et al.		
	224	EP 0 689 933	01-03-1996	Farha		
	225	EP 0 744 263	11-27-1996	Middleton et al.		
TWA	226	EP 0 756 931	02-05-1997	Tsukamoto et al.		

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	Filing Date	February 26, 2004
	First Named Inventor	Gerald A. Hutchinson
	Art Unit	1772
(Multiple sheets used when necessary)	Examiner	Timothy W. Heitbrink
SHEET 9 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

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TWA	227	EP 0 767 049	04-09-1997	Kimura et al.		
	228	EP 0 774 491	05-21-1997	Nagai et al.		
	229	EP 0 794 007	09-10-1997	Tropsha et al.		
	230	EP 0 822 213	02-04-1998	Nakamachi et al.		
	231	EP 0 837 763	12-19-2001	Collette et al.		
	232	EP 0 894 604	02-03-1999	Sicilia et al.		
	233	EP 0 964 031	12-15-1999	Al Ghatta		
	234	FR 2538297	06-29-1984	Katashi (Includes English Abstract)		
	235	GB 1 482 956	08-17-1977	Laszlo et al.		
	236	GB 2011309	07-11-1979	DEMAG KUNSTTECHNIK ZWEIGNIEDERLASSUNG DER DEMAG AG		
	237	JP 55-37335	03-15-1980	Nakamura (Includes English Abstract)		
	238	JP 57-093126	06-10-1982	Fukuoka et al. (Includes English Abstract)		
	239	JP 58-92536	06-01-1983	Hirata et al. (Includes English Abstract)		
	240	JP 58173634	10-12-1983	Yazaki et al. (Includes English Abstract)		
	241	JP 58215309	12-14-1983	Araki et al. (Includes English Abstract)		
	242	JP 61-002519	01-08-1986	Hasegawa et al. (Includes English Abstract)		
	243	JP 61-185417	08-19-1986	Yoshida et al. (Includes English Abstract)		
	244	JP 04074620	03-10-1992	Hatamoto (Includes English Abstract)		
	245	JP 04-197634	07-17-1992	Hosokawa et al. (Includes English Abstract)		
	246	JP 07-156349	06-20-95	Junji (Includes English Abstract)		
	247	JP 08-281892	10-29-1996	Harako (Includes English Abstract)		
	248	JP 09-296056	11-18-97	Junichi et al. (Includes English Abstract)		

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	Filing Date	February 26, 2004
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SHEET 10 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

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TWH	249	JP 11-090975	04-06-1999	Takakusaki et al. (Includes English Abstract)		
	250	JP 2001-106219	04-17-01	Hideo (Includes English Abstract)		
	251	WO 87/02680	05-07-1987	Yamashiro et al.		
	252	WO 87/05276	09-11-1987	Slat		
	253	WO 89/08556	09-21-1989	Beavers et al.		
	254	WO 90/07553	07-12-1990	Morris et al.		
	255	WO 92/01558	02-06-1992	Flom		
	256	WO 93/01988	02-04-1993	McCrosen		
	257	WO 93/07068	04-15-1993	Seiner		
	258	WO 93/25835	12-23-1993	Noone et al.		
	259	WO 94/01268	01-20-1994	Collette et al.		
	260	WO 94/19186	09-01-1994	Hogstrom et al.		
	261	WO 94/25366	11-10-1994	Rupert		
	262	WO 95/00325	01-05-1995	Darr et al.		
	263	WO 95/06680	03-09-1995	Deak		
	264	WO 95/07219	03-16-1995	Slat et al.		
	265	WO 95/18002	07-06-1995	Kashiwa et al.		
	266	WO 95/22451	08-24-1995	Plester		
	267	WO 95/29805	11-09-1995	Schneider et al.		
	268	WO 95/34425	12-21-1995	Degrassi et al.		
	269	WO 96/18685	06-20-1996	Collette et al.		
	270	WO 96/20074	07-04-1996	Collette et al.		
	271	WO 96/33062	10-24-1996	Brewster et al.		
	272	WO 96/35571	11-14-1996	Chen et al.		
	273	WO 97/02939	01-30-1997	Collette et al.		
	274	WO 97/09366	03-13-1997	Minnick		
	275	WO 97/26127	07-24-1997	Slat		

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SHEET 11 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

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TWH	276	WO 97/28218	08-07-1997	Turner et al.		
	277	WO 97/31050	08-28-1997	Nakamachi et al. (Includes English Abstract)		
	278	WO 97/34758	09-25-1997	Jenkins		
	279	WO 97/40972	11-06-1997	Kuhn		
	280	WO 97/40981	11-06-1997	Frisk		
	281	WO 97/42250	11-13-1997	Paschke et al.		
	282	WO 97/43182	11-20-1997	Slat		
	283	WO 97/44174	11-27-1997	Slat		
	284	WO 97/47695	12-18-1997	McCaulley et al.		
	285	WO 98/02479	01-22-1998	Paschke et al.		
	286	WO 98/17470	04-30-1998	Brennan et al.		
	287	WO 98/21730	05-22-1998	Wargren		
	288	WO 98/46410	10-22-1998	Koch et al.		
	289	WO 99/20462	04-29-1999	Hutchinson et al.		
	290	WO 99/43563	09-22-1999	Darr		
	291	WO 99/61514	12-02-1999	Fischer et al.		
	292	WO 00/62998	10-26-2000	Hutchinson et al.		
	293	WO 01/83193	11-08-2001	Lee et al.		
	294	WO 02/20246	03-14-2002	Lee et al.		
TWH	295	WO 04/043675	05-27-2004	Hutchinson et al.		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
TWH	296	Proceedings of 3 <sup>rd</sup> International Conference on Rigid Polyester Packaging Innovations for Food and Beverages; Nova-Pak Americas '98; January 26-27, 1998.	
TWH	297	White et al.; "High-Barrier Structural Thermoplastics Based on Diglycidyl Ethers"; Polymer Science; Vol. 34(1); 1993; pp.904-905.	
TWH	298	"Mitsui B-010: Gas Barrier Polyester"; Chemical Data Sheet; Mitsui Chemicals, Inc.; February 1, 1998.	

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	Art Unit	1772
(Multiple sheets used when necessary)	Examiner	Timothy W. Heitbrink
SHEET 12 OF 12	Attorney Docket No.	APTPEP1.40CP2DC

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
TWH	299	The Condensed Chemical Dictionary, 1981, page 65	
TWH	300	Yukihiko Suematsu; Growth Prospects & Challenges for Pet in Asia/Japan: A Producer's Perspective	

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Examiner Signature <i>Timothy W. Heitbrink</i>	Date Considered <i>5-9-07</i>
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